

Flood Control Project Maintenance
2009 Structure Summary Report
Overall Unit and Item Ratings

Sacramento County

American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Security Fencing	A
	Pressurized Pipe	A

American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Flap Gates	A
	Security Fencing	A
	Pressurized Pipe	A

Flood Control Project Maintenance**Unit Cover Sheet****2009 Pumping Plant Inspection Results****Sacramento County**

Pumping Plant
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05

Pumping Plant Rating	A
Date of Inspection	12/28/2009
DWR Inspector	John Paasch
Accompanied By	Jon Money Sacramento County

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		08/04/2009 08/10/2009	John Paasch

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Pump Stations	Operating Log		A	Inspector Comments: O&M log present at the pump station and is being used and updated	°	°	Y	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Inspector Comments: O&M manual is present at site	°	°		2
3	0.00	0.00	Pump Stations	Plant Building		A	Inspector Comments: Building appears in good structural and operational condition.	°	°	Y	3
4	0.00	0.00	Pump Stations	Communications		A	Inspector Comments: Telephones present. Operators have cellular and radio communication.	°	°		4
5	0.00	0.00	Pump Stations	Safety		A	Inspector Comments: No apparent safety hazards observed that pose a threat to plant operators.	°	°		5
6	0.00	0.00	Pump Stations	Cranes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Crane and hoist appears to be in good working condition.	°	°	Y	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear properly maintained and lubricated.	°	°		7
8	0.00	0.00	Pump Stations	Power		A	Inspector Comments: No electrical deficiencies were observed. Backup power on site.	°	°	Y	8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Motors appear properly maintained and lubricated.	°	°	Y	9
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Automatic and manual controls are free of damage and appear to operate properly.	°	°		10
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Sump appears to be clear of excessive debris and sediment.	°	°		11
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: Trash racks are fastened in place and properly maintained.	°	°	Y	12

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant							Structure Length	Inspection Start/End	Inspector		
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05								08/04/2009 08/10/2009	John Paasch		
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
13	0.00	0.00	Pump Stations	Trash Rakes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Mechanical trash rakes are not present at this site.	° °	° °		13
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		N	Inspector Comments: Item not present at this site.	° °	° °		14
15	0.00	0.00	Pump Stations	Electric Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Electric gate operators appear in good working condition.	° °	° °		15
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear in good working condition.	° °	° °		16
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Inspector Comments: Metal parts are protected from corrosion.	° °	° °		17
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gates open easily and close completely and appear to be in good condition.	° °	° °	Y	18
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: Item not present at this site.	° °	° °		19
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: Fencing provides adequate protection against unauthorized access.	° °	° °		20
21			Pump Stations	Intake and Discharge Pipes		N	Inspector Comments: Discharge pipes could not be seen.	° °	° °		21
22	0.00	0.00	Pump Stations	Pressurized Pipe		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No evidence of erosion or leakage of pressurized pipe was found.	° °	° °	Y	22

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		08/04/2009 08/10/2009	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operating Log

Photo of communication station with operation log and maintenance manuals.

jpaasch_20091228_242.jpg



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

Photo of pumping plant building.

jpaasch_20091228_243.jpg



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Cranes

Photo of overhead crane and hoist.

jpaasch_20091228_244.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		08/04/2009 08/10/2009	John Paasch

Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
Photo of commercial power and backup power,	
jpaasch_20091228_245.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
Photo of building interior with all six pump motors in view.	
jpaasch_20091228_246.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
Trash racks and rakes are free of debris. Temporary rail in place as part of construction activity for the USACE Common Features project.	
jpaasch_20091228_247.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		08/04/2009 08/10/2009	John Paasch

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
Photo of outfall structure, flap gates and gate operators.	
jpaasch_20091228_248.jpg	



Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pressurized Pipe
Photo looking down into the wet well. Pipe appears to be in good condition.	
jpaasch_20091228_249.jpg	

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Flood Control Project Maintenance**Unit Cover Sheet****2009 Pumping Plant Inspection Results****Sacramento County**

Pumping Plant
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43

Pumping Plant Rating	A
Date of Inspection	7/14/2009
DWR Inspector	John Paasch
Accompanied By	Jon Money Sacramento County

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant							Structure Length	Inspection Start/End	Inspector		
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43								08/04/2009 08/04/2009	John Paasch		
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Pump Stations	Operating Log		A	Inspector Comments: O&M log present at the pump station and is being used and updated	°	°	Y	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Inspector Comments: O&M manual is present at site.	°	°		2
3	0.00	0.00	Pump Stations	Plant Building		A	Inspector Comments: Building appears in good structural and operational condition.	°	°		3
4	0.00	0.00	Pump Stations	Communications		A	Inspector Comments: Telephones present. Operators have cellular and radio communication.	°	°		4
5	0.00	0.00	Pump Stations	Safety		A	Inspector Comments: No appearant safety hazards observed that pose a threat to plant operators.	°	°		5
6	0.00	0.00	Pump Stations	Cranes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Crane and hoist appears to be in good working condition.	°	°	Y	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear properly maintained and lubricated.	°	°		7
8	0.00	0.00	Pump Stations	Power		A	Inspector Comments: No electrical deficiencies were observed. Placement and use of backup power present at site.	°	°	Y	8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Motors appear to be properly maintained and operational.	°	°	Y	9
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Automatic and manual controls are free of damage and appear to operate properly.	°	°		10
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Sump appears to be clear of excessive debris and sediment.	°	°		11
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: Trash racks are fastened in place and properly maintained.	°	°	Y	12

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Sacramento County

Pumping Plant								Structure Length	Inspection Start/End		Inspector	
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43									08/04/2009 08/04/2009		John Paasch	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.	
	Start	End						Start	End			
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: Mechanical trash rakes are not present at this site.	°	°		13	
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		N	Inspector Comments: Item not present at this site.	°	°		14	
15	0.00	0.00	Pump Stations	Electric Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Electric gate operators appear in good working condition.	°	°	Y	15	
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Inspector Comments: Manual gate operators appear in good working condition.	°	°		16	
17	0.00	0.00	Pump Stations	Other Metallic Items		N	Inspector Comments: Metal parts are protected from corrosion damage.	°	°		17	
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gates open freely and close completely and appear to be in good condition.	°	°	Y	18	
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: Item not present at this site.	°	°		19	
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: Fencing provides adequate protection against unauthorized access.	°	°		20	
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		N	Inspector Comments: Pipes are not visible for inspection.	°	°		21	
22	0.00	0.00	Pump Stations	Pressurized Pipe		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Visible segments of pressuized pipe in the wet well appear free of corrosion and leaks.	°	°		22	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

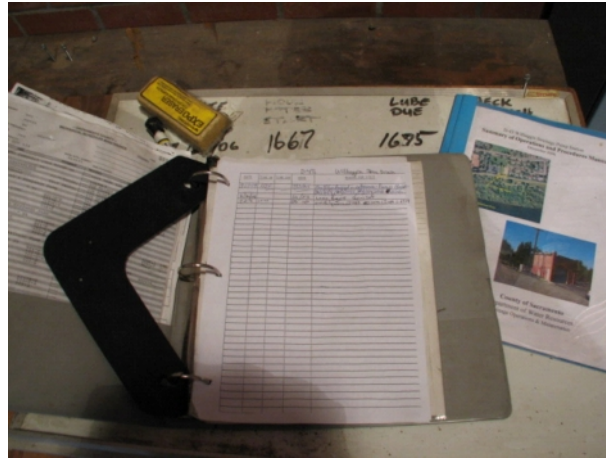
Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		08/04/2009 08/04/2009	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operating Log

Photo of operation and maintenance logs.

jpaasch_20090810_18.jpg



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Cranes

Photo of crane and hoist.

jpaasch_20090810_19.jpg



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

Photo of commercial power transformer and generator backup.

jpaasch_20090810_24.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		08/04/2009 08/04/2009	John Paasch

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

Photo of three pump motors.

jpaasch_20090810_20.jpg



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

Photo of trash racks and exterior of building.

jpaasch_20090810_21.jpg



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Electric Gate Operators

Photo of electric and manual gate operators at the outfall.

jpaasch_20090810_22.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Sacramento County

Pumping Plant	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		08/04/2009 08/04/2009	John Paasch

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

Photo of flap gates and the outfall structure.

jpaasch_20090810_23.jpg



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